

Supplementary Table S1: Separate excel spreadsheet. Correlation coefficients and p-values (Pearson correlations) between clinical variables and the absolute and relative abundance of *Dysosmobacter* spp. assessed by qPCR in the stools of the Microbes4U cohort.

	<i>Dysosmobacter</i> spp (percentage of total bacteria)		<i>Dysosmobacter</i> spp (bacteria per gram of stools)	
	Correlation coefficient	p value	Correlation coefficient	p value
Body mass Index	-0,3683	0,0067	-0,3996	0,0030
Fasting plasma glucose	-0,2112	0,1328	-0,3230	0,0195
Fasting plasma insulin	-0,0384	0,7890	-0,1090	0,4466
HbA1c (mmol per L)	-0,1230	0,3851	-0,2909	0,0364
Fat mass as percentage of body weight	-0,1752	0,2095	-0,2238	0,1072
Lean mass as percentage of body weight	0,1786	0,2008	0,2295	0,0983
Basal metabolic rate (kcal per kg)	-0,1067	0,4561	-0,0423	0,7681
Plasma LPS	-0,1557	0,2655	-0,2401	0,0834
Plasma Lipid Binding protein	-0,1864	0,1814	-0,1502	0,2832
Plasma butyric acid	0,2018	0,1514	0,2408	0,0855