

Supplementary Table 3: Baseline differences in the IBS symptoms and characteristics of responders and non-responders that were included in the microbiota analyses.

	Responders baseline	Non-responders baseline	p-value
N	5	3	
Abdominal discomfort score median (minimum-maximum)	3.86 (2.78 – 5.57)	5.25 (4.92 – 5.57)	0.190
Number of daily defecations median (minimum-maximum)	1.8 (1-3)	7.23 (3.71 – 10.78)	0.095
Stool consistency median (minimum-maximum)	3.18 (2.14-4.14)	4.39 (4.00 – 4.78)	0.381
Urgency median (minimum-maximum)	0.64 (0.28-0.79)	1 (1 – 1)	0.095
Abdominal pain median (minimum-maximum)	3.56 (2.71-4.57)	4 (3.14 – 4.86)	0.571
Abdominal bloating median (minimum-maximum)	4.00 (2.14-5.21)	4.89 (4.64 – 5.14)	0.381
Flatulence median (minimum-maximum)	3.93 (2.79-5.28)	4.89 (4.64 – 5.14)	0.381
Abdominal circumference (cm) median (minimum-maximum)	84.96 (78.57-93.96)	86.07 (82.64 – 89.50)	1.000
Quality of life median (minimum-maximum)	44.85 (41.18-50.00)	28.30 (25.74 – 30.88)	0.095
Age (years) median (minimum-maximum)	36.6 (24-53)	39.5 (28 – 51)	0.857
Sex	2 M 3F	1 M 1F	0.714
BMI median (minimum-maximum)	23.85 (19.05-33.96)	20.65 (18.62 – 22.68)	0.571
IBS duration (years) median (minimum-maximum)	17.6 (6-35)	25 (10 – 40)	0.800
Psychofarmaca use	0	0	NA
Relationship	2 partners 2 unrelated 1 sibling	1 partner 1 unrelated	