

Supplemental Table. Characteristics of Participants With and Without Irritable Bowel Syndrome

	IBS	No IBS
n (%) or mean \pm standard deviation	n = 51	n=397
Age		
≤49 y	5(10)	28 (7)
50-59	39 (76)	291 (73)
60-69	4 (8)	67 (17)
70-79	2 (4)	11 (3)
≥80	1 (2)	0 (0)
Sex		
Male	16 (31)	172 (43)
Female	35 (69)	225 (57)
Race		
White	46 (90)	320 (81)
Black	5 (10)	69 (17)
Other	0 (0)	7 (2)
Smoking status		
Never	31 (61)	228 (58)
Former	8 (16)	123 (31)
Current	12 (24)	44 (11)
Body mass index, kg/m²		
Underweight (<18.5)	1 (2)	8 (2)
Normal (18.5-25)	9 (18)	135 (34)
Overweight (25-30)	17 (35)	123 (31)
Obese (>30)	22 (45)	130 (33)
Daily dietary intake		
Total energy intake, kilocalories	2,140 \pm 728	2,061 \pm 789
Total fiber, grams	19.3 \pm 8.2	20.6 \pm 9.7
Nonsteroidal anti-inflammatory drug use per month		
Never	19 (37)	228 (58)
1-4 times	15 (29)	83 (21)
>4 times	17 (33)	81 (21)
Aspirin use per month		
Never	30 (59)	234 (59)
1-4 times	18 (35)	130 (33)
>4 times	3 (6)	30 (8)
Daily alcohol use, drinks	0.61 \pm 1.14	0.82 \pm 1.59
Number of diverticula		
0 diverticula	36 (71)	223 (56)

1-3 diverticula	3 (6)	43 (11)
4-10 diverticula	6 (12)	67 (17)
≥10 diverticula	6 (12)	64 (16)
Location of diverticula		
Proximal diverticula only	1 (7)	11 (6)
Distal diverticula only	7 (47)	111 (66)
Pan diverticula	7 (47)	47 (28)

Supplemental Table. Cytokine Expression Levels and Immunohistochemistry by Case Control Status

	Number	25%	50%	75%
Cytokine expression				
IL-6				
Cases	227	0.43	0.79	1.66
Controls	321	0.51	1.10	2.26
IL-10				
Cases	229	0.13	0.25	0.42
Controls	324	0.16	0.27	0.52
TNF- α				
Cases	229	1.02	2.15	3.46
Controls	323	1.31	2.18	3.55
Immunohistochemistry - H score				
CD4				
Cases	239	85	103	121
Controls	334	83	100	121
CD8				
Cases	238	22	31	40
Controls	333	23	32	43
CD57				
Cases	237	10	15	21
Controls	334	11	16	21
Mast cell tryptase				
Cases	241	35	47	65
Controls	334	25	48	62
Immunohistochemistry - % positive cells				
CD4				
Cases	239	54.5	63.4	70.2
Controls	334	53.3	61.0	69.9
CD8				
Cases	238	15.7	21.2	26.2
Controls	333	15.5	20.4	27.5
CD57				
Cases	237	7.9	11.7	16.9
Controls	334	8.8	12.7	17.8
Mast cell tryptase				
Cases	241	22.4	32.0	43.1
Controls	334	22.0	31.1	41.5

CD4/CD8 ratio				
Cases	237	2.3	3.0	3.8
Controls	331	2.2	2.8	3.9
Cases are participants with any diverticula, controls are participants without diverticula				