

Figure S1

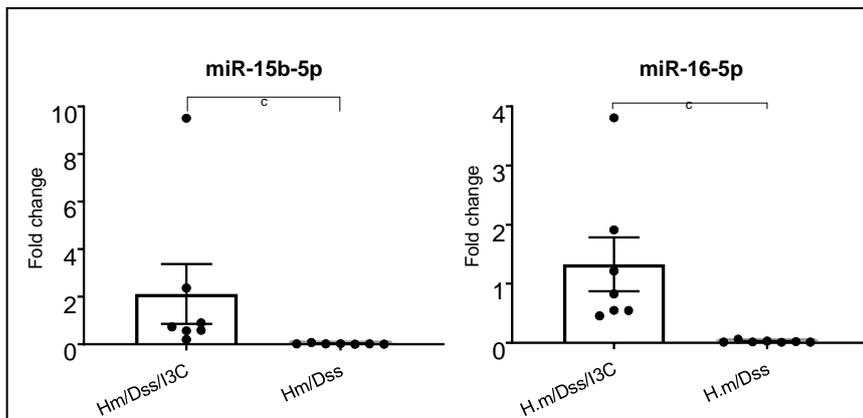


Figure S1. Expression of miR-15b-5p and miR-16-5p was measured by qRT-PCR and normalized to Hm/DSS/I3C ($n = 7$). Hm/DSS: *H. muridarum* plus DSS; Hm/DSS/I3C: *H. muridarum* plus DSS plus I3C. ^a $P \leq 0.05$; ^b $P \leq 0.01$; ^c $P \leq 0.001$; ^d $P \leq 0.0001$.

Figure S2

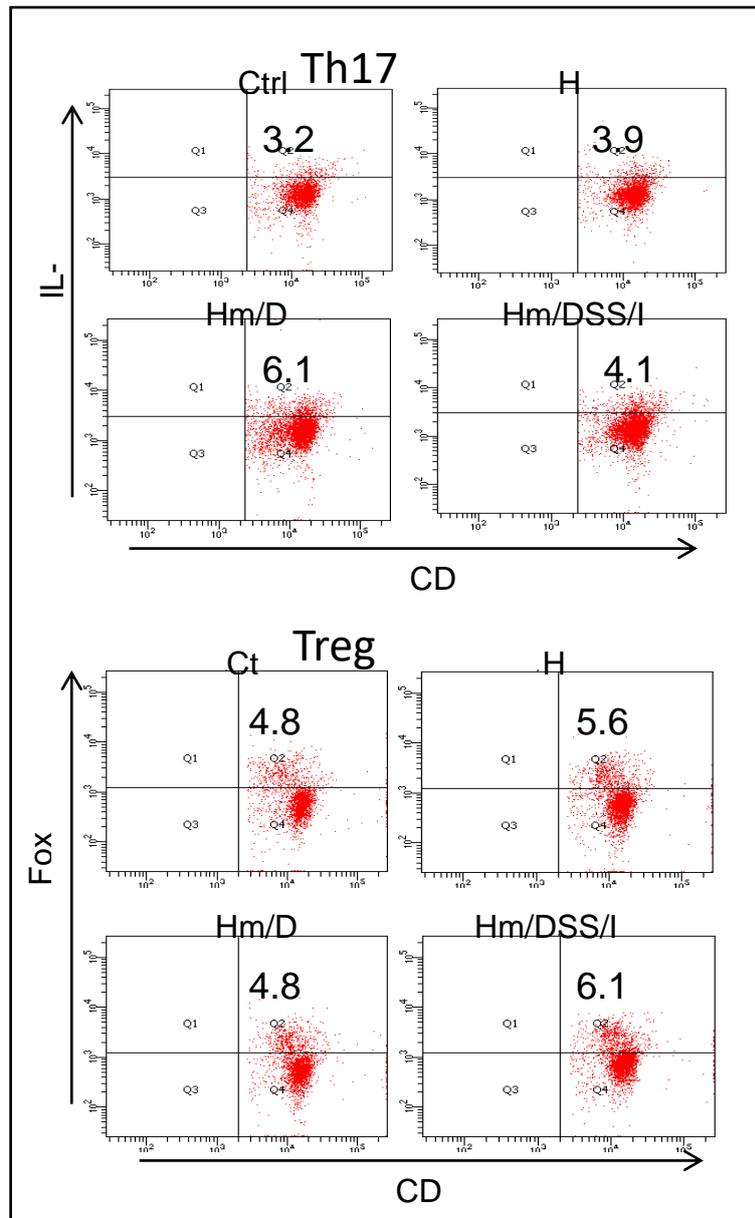


Figure S2. Flow cytometry analysis of mesenteric lymph node cells. Th17 cells were identified by IL-17 and CD4 staining. Treg cells were identified by CD4, CD25, and FoxP3 staining ($n = 4$). Ctrl: control; Hm: *H. muridarum*; Hm/DSS: *H. muridarum* plus DSS; Hm/DSS/I3C: *H. muridarum* plus DSS plus I3C; DSS/I3C: DSS plus I3C. ^a $P \leq 0.05$;

^b $P \leq 0.01$; ^c $P \leq 0.001$; ^d $P \leq 0.0001$.

Figure S3

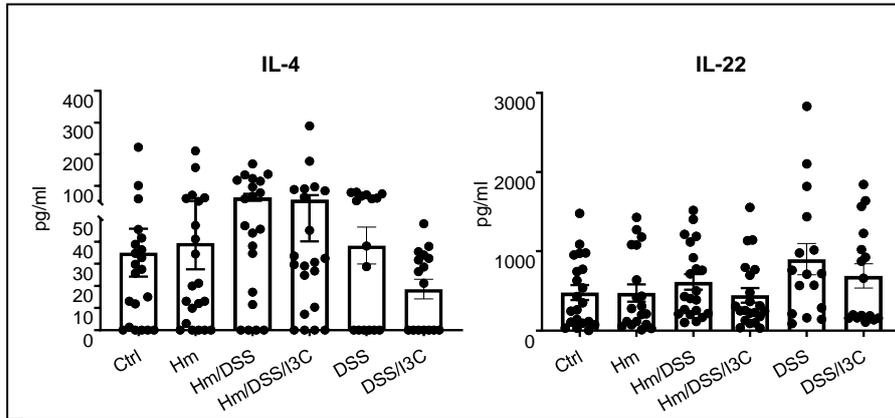


Figure S3. Colon cytokine production. Protein levels were determined by ELISA using colon homogenates ($n = 17-21$). Ctrl: control; Hm: *H. muridarum*; Hm/DSS: *H. muridarum* plus DSS; Hm/DSS/I3C: *H. muridarum* plus DSS plus I3C; DSS/I3C: DSS plus I3C. ^a $P \leq 0.05$; ^b $P \leq 0.01$; ^c $P \leq 0.001$; ^d $P \leq 0.0001$.

Table S1. Statistical analysis parameters.

Group ^a	n	Variable	Label	n	Mean	Std Dev	Minimum	Maximum
Control	221	DAI	DAI	176	0.61	0.70	0.00	2.00
		Diar	diarrhea score	186	0.22	0.41	0.00	1.00
		SBS	stool blood score	196	0.01	0.10	0.00	1.00
		WT	weight	150	100.40	2.30	93.30	107.81
DSS	221	DAI	DAI	151	4.17	2.35	0.00	9.00
		Diar	diarrhea score	156	2.03	1.30	0.00	4.00
		SBS	stool blood score	156	1.71	1.40	0.00	4.00
		WT	weight	151	99.41	2.62	90.75	106.68
DSS/I3C	221	DAI	DAI	151	3.08	2.07	0.00	8.00
		Diar	diarrhea score	156	1.46	1.14	0.00	4.00
		SBS	stool blood score	156	1.23	1.28	0.00	4.00
		WT	weight	151	99.58	3.76	82.75	115.52
Hm	221	DAI	DAI	168	1.11	0.95	0.00	3.00
		Diar	diarrhea score	173	0.49	0.61	0.00	2.00
		SBS	stool blood score	178	0.19	0.39	0.00	1.00
		WT	weight	138	99.60	2.17	92.87	105.21
Hm/DSS	221	DAI	DAI	181	4.47	2.83	0.00	10.00
		Diar	diarrhea score	186	1.71	1.17	0.00	4.00
		SBS	stool blood score	191	2.17	1.60	0.00	4.00
		WT	weight	151	96.85	3.73	83.46	104.38
Hm/DSS/I3C	221	DAI	dai	176	3.19	2.39	0.00	8.00
		Diar	diarrhea score	191	1.29	1.10	0.00	4.00
		SBS	stool blood score	184	1.31	1.41	0.00	4.00
		WT	weight	150	100.11	2.69	88.67	107.20

^aCtrl, untreated; Hm, *H. muridarum*-infected; Hm/DSS, *H. muridarum* plus DSS; Hm/DSS/I3C, *H. muridarum* plus DSS plus I3C; DSS, DSS treated; DSS/I3C, DSS plus I3C; Std dev, standard deviation.