

SUPPLEMENTAL TABLE 1  
Association between household soil measurements and fecal EE markers (N = 128 households)

Outcome	Presence of pathogenic <i>Escherichia coli</i> in household soil coefficient (95% CI)		Household <i>E. coli</i> soil counts OR (95% CI)*	
	Age adjusted	Fully adjusted†	Age adjusted (Q1 vs. Q4)	Fully adjusted‡ (Q1 vs. Q4)
Calprotectin (µg/g)	-113.97 (-497.09, 269.16)	-100.21 (-486.06, 285.65)	-41.00 (-402.44, 320.43)	-35.24 (-394.16, 323.67)
EE score	1.08 (0.002, 2.15)‡	1.08 (-0.004, 2.16)	-0.0136 (-1.05, 1.02)	-0.03 (-1.06, 1.00)
Alpha-1-antitrypsin (mg/g)	0.10 (-0.10, 0.31)	0.09 (-0.11, 0.30)	0.0008 (-0.19, 0.19)	-0.0001 (-0.18, 0.18)
Myeloperoxidase (ng/mL)	4,234.66 (1,140.04, 7,329.29)‡	4,324.24 (1,215.51, 7,432.97)‡	574.79 (-2,367.17, 3,516.74)	586.86 (-2,327.44, 3,501.15)
Neopterin (nmol/L)	2,038.88 (779.41, 3,298.35)‡	2,165.63 (917.23, 3,414.02)‡	461.51 (-728.00, 1,651.01)	469.98 (-698.53, 1,638.51)

CI = confidence interval; EE = environmental enteropathy; OR = odds ratio.

\* Mean *E. coli* count for households and odds ratio compares the first to the fourth quartile.

† Fully adjusted models adjust for age, age squared, caregiver educational level, and family size.

‡ P value < 0.05.

SUPPLEMENTAL TABLE 2

Association between anthropometric measurements and fecal markers of EE at 9-month follow-up (*N* = 205)

Fecal markers	<i>N</i>	Proportion WAZ < -2 OR (95% CI)		Proportion HAZ < -2 OR (95% CI)		Proportion WHZ < -2 OR (95% CI)	
		Age adjusted	Fully adjusted*	Age adjusted	Fully adjusted*	Age adjusted	Fully adjusted*
Calprotectin (µg/g)							
31–189	51	Referent	Referent	Referent	Referent	Referent	Referent
190–392	52	1.04 (0.40, 2.72)	1.05 (0.39, 2.82)	1.87 (0.77, 4.50)	2.25 (0.88, 5.74)	2.73 (0.27, 27.37)	3.34 (0.32, 34.45)
393–813	51	1.71 (0.67, 4.38)	1.72 (0.65, 4.56)	1.86 (0.75, 4.63)	2.18 (0.83, 5.75)	6.40 (0.74, 55.37)	7.73 (0.86, 69.98)
814–5,174	51	1.21 (0.43, 3.40)	1.27 (0.45, 3.59)	2.02 (0.77, 5.27)	2.25 (0.83, 6.10)	2.12 (0.20, 22.77)	2.56 (0.24, 27.81)
EE score							
0–3	58	Referent	Referent	Referent	Referent	Referent	Referent
4	34	1.00 (0.30, 3.33)	1.02 (0.31, 3.42)	1.60 (0.64, 4.02)	1.62 (0.63, 4.17)	†	†
5–6	54	2.60 (0.99, 6.84)	2.55 (0.97, 6.73)	1.81 (0.79, 4.14)	1.79 (0.77, 4.15)	2.56 (0.46, 14.25)	2.60 (0.47, 14.53)
7–10	59	3.74 (1.38, 10.15)‡	3.73 (1.38, 10.12)‡	1.30 (0.54, 3.13)	1.32 (0.54, 3.22)	3.13 (0.57, 17.25)	3.18 (0.57, 17.73)
Alpha-1-antitrypsin (mg/g)							
0.02–0.15	53	Referent	Referent	Referent	Referent	Referent	Referent
0.16–0.25	47	1.45 (0.52, 4.00)	1.50 (0.53, 4.22)	1.24 (0.53, 2.91)	1.18 (0.49, 2.84)	3.21 (0.32, 32.26)	3.77 (0.36, 39.56)
0.26–0.50	53	1.48 (0.54, 4.04)	1.44 (0.52, 4.02)	0.80 (0.33, 1.93)	0.76 (0.31, 1.88)	2.67 (0.26, 27.08)	2.84 (0.27, 29.70)
0.51–2.2	52	3.11 (1.18, 8.17)‡	3.17 (1.19, 8.43)‡	1.44 (0.62, 3.37)	1.42 (0.59, 3.39)	6.66 (0.76, 58.12)	7.41 (0.83, 66.49)
Myeloperoxidase (ng/mL)							
216–1,970	52	Referent	Referent	Referent	Referent	Referent	Referent
1,971–3,562	52	1.63 (0.62, 4.29)	1.57 (0.59, 4.16)	0.89 (0.38, 2.11)	0.95 (0.40, 2.29)	4.42 (0.48, 40.69)	4.39 (0.47, 40.92)
3,592–5,980	48	1.50 (0.54, 4.16)	1.50 (0.54, 4.18)	1.01 (0.42, 2.46)	1.10 (0.45, 2.73)	3.62 (0.37, 30.24)	4.13 (0.42, 40.27)
5,981–41,369	53	1.93 (0.70, 5.37)	1.92 (0.69, 5.32)	1.08 (0.44, 2.66)	1.16 (0.46, 2.88)	2.98 (0.30, 30.08)	3.21 (0.32, 32.35)
Neopterin (nmol/L)							
2–558	52	Referent	Referent	Referent	Referent	Referent	Referent
559–1,504	51	0.70 (0.25, 1.91)	0.74 (0.27, 2.05)	0.71 (0.30, 1.66)	0.64 (0.26, 1.54)	†	†
1,507–3,007	51	1.03 (0.40, 2.64)	1.12 (0.42, 2.97)	0.50 (0.20, 1.24)	0.40 (0.15, 1.03)	1.67 (0.37, 7.50)	1.81 (0.39, 8.54)
3,008–16,486	51	2.07 (0.86, 5.00)	2.17 (0.87, 5.38)	1.86 (0.83, 4.14)	1.57 (0.69, 3.59)	2.02 (0.47, 8.66)	1.91 (0.43, 8.56)

CI = confidence interval; EE = environmental enteropathy; HAZ = length/height-for-age z-score; OR = odds ratio; WAZ = weight-for-age z-score; WHZ = weight-for-length/height z-score.

Fully adjusted models adjust for age, age squared, caregiver educational level, and family size.

†The maximum likelihood is not estimable because no wasted children in category.

‡*P* value < 0.05.