

Supplementary Figure 4

A

CD clinical remission: HBI = 0-4

test positive test negative	LL-37 40ng/ml or above any others			CRP 0.4mg/L or below any others			LL-37 40ng/ml or above + CRP 0.4mg/L or below any others		
	mean	(95% CI interval)		mean	(95% CI interval)		mean	(95% CI interval)	
prevalence	0.52	0.40	0.64	0.52	0.40	0.64	0.52	0.40	0.64
sensitivity	0.84	0.68	0.93	0.74	0.57	0.86	0.63	0.46	0.78
specificity	0.43	0.27	0.60	0.49	0.32	0.66	0.69	0.51	0.83
PPV	0.62	0.47	0.74	0.61	0.45	0.75	0.69	0.51	0.83
NPV	0.71	0.48	0.88	0.63	0.42	0.80	0.63	0.46	0.78
AUC	0.68			0.63			0.67		

B

Moderate or severe CD clinical activity: HBI = 8 or above

test positive test negative	LL-37 below 40ng/ml any others			CRP 0.5mg/L or above any others			LL-37 below 40ng/ml + CRP 0.5mg/L or above any others		
	mean	(95% CI interval)		mean	(95% CI interval)		mean	(95% CI interval)	
prevalence	0.25	0.16	0.36	0.26	0.17	0.38	0.25	0.16	0.36
sensitivity	0.56	0.31	0.78	0.42	0.21	0.66	0.33	0.14	0.59
specificity	0.80	0.67	0.89	0.65	0.51	0.77	0.95	0.84	0.99
PPV	0.48	0.26	0.70	0.30	0.14	0.50	0.67	0.31	0.91
NPV	0.85	0.71	0.93	0.76	0.61	0.87	0.81	0.69	0.90
AUC	0.68			0.63			0.73		

C

		A1			L1				B1			P	immunomod			
		A2	A3	L2	L3	L4	B2	B3	biologics	steroids	ulators		5-ASA			
LL-37 below 40ng/ml	count	5	10	3	5	1	10	1	8	6	7	0	7	1	8	2
	percentage (%)	28	56	17	28	6	56	6	44	33	24	0	39	6	44	11
LL-37 40ng/ml or above	count	13	31	5	9	11	29	3	30	10	11	0	24	19	18	14
	percentage (%)	27	64	10	18	22	59	6	61	20	22	0	49	39	37	29

General disease phenotypes: Montreal classification of CD

A1	CD Age at diagnosis less than 16 years
A2	CD Age at diagnosis 17-40 years
A3	CD Age at diagnosis over 40 years
L1	CD ileal
L2	CD colonic
L3	CD ilealcolonic
L4	CD isolated upper digestive tract
B1	CD non-stricturing, non-penetrating
B2	CD stricturing
B3	CD penetrating
P	CD perianal disease